Index of Claims

| Application/Co | ntrol N | ο. |
|----------------|---------|----|

10/764,399 Examiner

Gene L. Bankhead

Applicant(s)/Patent under Reexamination

LOPRETE, JOSEPH FRANK

Art Unit

3744

| <b>√</b> | Rejected |
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| 11       | Allowed  |

| - | (Through numeral)<br>Cancelled |
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| N | Non-Elected  |
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| E 8   1 1   2 1   3 0   4 0   5 1   6 1   7 1   8 1   9 1   10 0   11 1   12 1   13 1   14 1   15 0   16 0   17 18   19 20   21 22   23 24   25 26   27 28   29 30   31 32   33 34   35 36   37 38   39 40   41 42   43 44   |              |               |         | _            |          |          |   |          |          |  | _               |
| 1  | Cla          | im            |         |              | ,        |          | Date  | •        |          |  | 4               |
| 1  | _            | <u>a</u>      | 9       |              |          |          |   |          | -        | - [                                    |                 |
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| 1  | ╙            | ŏ             | 12      |              |          | l        | 1   |          | - 1      |  | 1               |
| 3 O  |              |               | 1       | -            | ╁        | $\vdash$ | ⊢   | $\vdash$ | -+       | +                                      | $\dashv$        |
| 3 O  |              | - '           | J       | ┝╌           | ⊢        | ╁        | -   | Н        | 一        | +                                      | ┨               |
| 6  | -            | -2            | 6       |              | ┢        | -        | ┢   | Н        | $\dashv$ | _                                      | $\dashv$        |
| 6  |              | 7             |         | ┢            | ├─       | $\vdash$ | <del> </del>                                      |          | $\dashv$ | $\dashv$                               | ┨               |
| 6  | _            | 5             | J       | -            | $\vdash$ | $\vdash$ | <u> </u>  | $\vdash$ | $\vdash$ | _                                      |                 |
| 8  | <del> </del> | 6             |         | -            | +-       | $t^-$    | T   | ┢        |          |  | $\neg$          |
| 8  |              | 7             | Ī       | 1            | 1        | T        | 1   | $\vdash$ |          | 一                                      | $\neg$          |
| 9  |              |               | 1       | $\vdash$     | T        | T        | $\top$  | Γ        |          |  | $\neg$          |
| 11   |              | 9             | 1       | t            | T        | 1        | T   | Г        | П        |  | $\neg$          |
| 11   |              | 10            | 0       |              | Τ        | Т        |   |          |          |  |                 |
| 14   |              | 11            | 1       |              |          |          |   | 匚        |          |  | _               |
| 14   |              | 12            | 1       |              | $\Box$   |          |   |          |          |  | _               |
| 20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32<br>33<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>41<br>42<br>43<br>44   |              | 13            | 1       | 匚            | $\perp$  |          |   |          |          |  | _               |
| 20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32<br>33<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>41<br>42<br>43<br>44   |              | 14            |         | L            | $\perp$  | $\perp$  | $\bot$  | ـ        | $\vdash$ | $\sqcup$                               | _               |
| 20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32<br>33<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>41<br>42<br>43<br>44   |              | 15            |         | <u> </u>     | 1        | 1        | 4_  | 1        | <u> </u> | $\sqcup$                               | _               |
| 20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32<br>33<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>41<br>42<br>43<br>44   | L            | 16            | 0       | _            | ╄        | ╄        | 4   | _        | _        | Щ                                      |                 |
| 20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32<br>33<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>41<br>42<br>43<br>44   |              | 17            | ┼       | -            | ╄-       |          | -   | ╄        | -        | $\vdash$                               | -               |
| 20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32<br>33<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>41<br>42<br>43<br>44   |              | 18            | ┼-      | ╄            | -        | ╁        | ╀   | ╄        | ├-       | Н                                      | $\dashv$        |
| 22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32<br>33<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44   | -            | 19            | ╁       | ╁╴           | +        | +        | ╀   | +        | ₩        |  | 一               |
| 22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32<br>33<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44   |              | 21            | +       | ╁╴           | +-       | +        | ╁   | +-       | +        | Н                                      | $\dashv$        |
| 24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32<br>33<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44   | -            | 22            | ╁       | ╁            | ╁        | +        | ╁   | +-       | 十        | $\Box$                                 | $\dashv$        |
| 24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32<br>33<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44   | ļ            | 23            | +       | T            | +        | 十        | +   | T        | Т        | П                                      |                 |
| 26   |              | 24            | 1       | ╁            | T        | $\top$   | 1   |          |          |  |                 |
| 26   |              | 25            |         |              |          |          | Τ.  | I        |          |  |                 |
| 28<br>29<br>30<br>31<br>32<br>33<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>41<br>42<br>43<br>44   |              | 26            |         |              |          |          | _   | $\perp$  | _        |  | Ш               |
| 29<br>30<br>31<br>32<br>33<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44   |              | 27            | ┸       | 1_           | $\perp$  | $\perp$  | 4_  | _        | 1        |  | Щ               |
| 30<br>31<br>32<br>33<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44   | <u> </u>     | 28            | 4       | ┷            | _        | $\bot$   | $\perp$   | +        | ┼-       | <b>!</b>                               | $\vdash$        |
| 31<br>32<br>33<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44   | -            | 29            | +       | -            | +        | +        | +-  | +        | +        | -                                      | Н               |
| 32<br>33<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44   | -            | 30            | 4       | - -          | +        | +        |   | +        | +        | -                                      | Н               |
| 33<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44   | -            | 31            | +-      | +            | +        | +        | +   | +        | +-       | $\vdash$                               | $\vdash \vdash$ |
| 34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44   |              | 32            | +       | +            | +        |          |   | ╁        | +        | ╁╌                                     | Н               |
| 35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44   | -            | 33            | +       | +            | +        | +        | +   | +        | ╁        | +-                                     | Н               |
| 36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44   | -            |               | +       | +            | -        | +        | +   | $\top$   | +        | $\vdash$                               | Н               |
| 37<br>38<br>39<br>40<br>41<br>41<br>42<br>43<br>44   | -            | 36            |         | 十            | +        | ╅        | ┪   | $\top$   | $\top$   | T                                      | $\Box$          |
| 38<br>39<br>40<br>41<br>41<br>42<br>43<br>44   |              | 37            | 1       | +            | $\dashv$ | +        | $\top$  |          |          |  |                 |
| 39<br>40<br>41<br>42<br>43<br>44   |              | 38            |         |              | 丁        |          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |          |          |  |                 |
| 41<br>42<br>43<br>44   |              | 39            |         | $\perp$      | $\perp$  |          | $\perp$   | $\perp$  | ļ.,      | $\perp$                                | Щ               |
| 42 43 44   |              | 40            | T.      | 1            |          | _ _      |   | _        | 4        | 4-                                     | $\sqcup$        |
| 44   | <u> </u>     | $\overline{}$ | _       | 4            | 4        | -        | +   | +-       | +        | +-                                     | $\vdash$        |
| 44   | -            | 42            | 4       | -            | 4        | +        | +   | +        | -        | +-                                     | $\vdash$        |
|  | -            | 43            | -       | +            | +        | +        | +   | - -      | +        | +-                                     | +               |
| 45   | -            |               |         | +            | +        | +        | +   | +        | +        | +                                      | +               |
| 45   | -            |               |         | +            | +        | $\dashv$ | +   | +-       | +        | +                                      | Н               |
| 47   | -            | 47            | ;+      | +            | +        | +        | $\dashv$  | +        | +        | $\top$                                 | T               |
| 48   |              | 48            | 3       | $\top$       | _        | $\neg$   | $\dashv$  | $\top$   |          |  |                 |
| 49   |              | 49            | 7       |              |          |          |   | $\perp$  | $\perp$  | $\perp$                                |                 |
| 50   |              | 50            | $\prod$ | $oxed{\int}$ | $\perp$  | _[       |   | _[_      |          | ــــــــــــــــــــــــــــــــــــــ |                 |

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|------------|----------|----------------|----------|----------|----------|----------|----------|-----------|----------|--------------|--------------------|
| Final      | Original |                |          |          |          |          |          |           |          |              |                    |
|            | 51       |                |          | T        | 1        | ╗        |          |           |          |              |                    |
|            | 52       |                |          | Т        | T        |          |          |           |          | •            |                    |
|            | 53       | $\vdash$       |          | Т        |          |          |          |           |          |              |                    |
|            | 54       |                | П        | Τ        | 1        |          |          |           |          |              |                    |
|            | 55       |                |          | П        | Т        |          |          |           |          |              |                    |
|            | 56       |                |          |          |          |          |          |           |          |              |                    |
|            | 57       |                |          |          |          |          |          |           |          |              | Ц                  |
|            | 58       |                | L        | L        | 1        |          | _        | _         | L        |              | Ш                  |
|            | 59       | <u> </u>       | <u> </u> | <u> </u> | 4        |          |          | _         | <u> </u> | _            | Ш                  |
|            | 60       | L              | L        | 1        | 4        | _        | <u> </u> | <u> </u>  | <u> </u> | -            | Н                  |
|            | 61       | <u> </u>       | ↓_       | ╀        | 4        | _        | ļ_       | <u> </u>  | _        | <del> </del> | Н                  |
|            | 62       | <u> </u>       | ╄        | ╀        | 4        |          | ┡        | ├         | <u> </u> | ├-           | Н                  |
|            | 63       | ╄              | +-       | ╀        | +        |          |          | ├-        | ├        | -            | $\vdash$           |
|            | 64       | ╁              | ╀        | ╀        | +        |          | ├-       | -         | $\vdash$ | ├-           | $\vdash$           |
|            | 65<br>66 | ╁              | ╁-       | ╁        | +        | _        | ╁╾       | ╁         | ╁        | -            | $\vdash$           |
| <u> </u>   | 67       | -              | ╁        | ╁        | $\dashv$ |          | $\vdash$ | ╁╌        | ┢        | $\vdash$     | Н                  |
| ├          | 68       | ╁╌             | +        | ╁        | +        |          | ╁        | ╁         | ╁╌       | t            | ${}^{\dagger}$     |
|            | 69       | ╁              | +        | ╁        | +        |          | +        | ╁         | 1        | $t^-$        | $\Box$             |
| -          | 70       | +              | ╁        | +        | 7        | _        | $\vdash$ | t         | T        | ✝            | $\Box$             |
| <u> </u>   | 70<br>71 | +              | +        | +        | 1        |          | 1        | ✝         |          | T            | $\Box$             |
| $\vdash$   | 72       | Т              | $\top$   | $\top$   | 7        |          | T        | $\top$    | Т        |              |                    |
|            | 73       | $\top$         | T        | T        | 7        |          | 1        |           |          |              |                    |
|            | 73<br>74 | 1              |          |          |          |          |          |           | ١.       | oxdot        |                    |
|            | 75       | L              |          |          |          |          |          | <u> </u>  | 1        | <u> </u>     | $oldsymbol{\perp}$ |
|            | 76<br>77 | $\perp$        | ┸        | 1        | $\perp$  |          | ┸        | ┸         | 1_       | -            | 1_                 |
|            | 77       | 4              | 4        | $\perp$  | 4        |          | +        | ╀         | +        | ╁-           | ┦                  |
| L          | 78       | 1              | 1        | 4        | _        |          | +        | +-        | +-       | ╀            | ╀                  |
| <u> </u>   | 79       | +              | 4-       | +        | 4        | _        | +-       | ╄         | ┼        | ╀            | +                  |
|            | 80       | +-             | - -      | +        | _        | _        | +-       | +         | ╁        | ╁            | ┿                  |
| <b>-</b> - | 81       | +              | +        | +        | -        |          | +        | ╁         | ╁╴       | ╁╴           | +                  |
| -          | 82       | ╁              | +        | +        | _        | -        | +        | ╁         | ╁        | ╁            | +                  |
| -          | 84       | ╁              | +        | +        | _        |          | ╁        | ╈         | +        | +            | $\top$             |
| _          | 84<br>85 | +              | +        | +        | _        | ┢        | +        | $\dagger$ | ╅        | ┰            | <del> </del>       |
|            | 86       | +              | +        | 1        | _        | Г        | 1        | 十         | 1        | T            |                    |
|            | 87       | Т              | $\top$   | T        |          |          |          | T         |          | $\perp$      |                    |
|            | 88       | П              |          |          |          |          |          |           | L        |              |                    |
|            | 89       |                | $\perp$  |          | _        |          | L        | $\perp$   | ┸        | 1            |                    |
|            | 90       |                | $\perp$  | $\perp$  | _        |          | _        | 1         | 4        | _            | ᆚ_                 |
| <u> </u>   | 91       | $\perp$        | 4        | 4        |          | 1        | _        | 4         | ┵        |              | -                  |
| _          | 92       |                | -        | $\dashv$ |          | L        | +        | +         | -        | +            | +-                 |
|            | 93       | -              |          |          |          | $\vdash$ | +        | +         | +        | +            | +                  |
| $\vdash$   | 94       | +              | +        | -        | _        | $\vdash$ | +        | +         | ╬        | +            | +                  |
| -          | 96       | <u>'</u>       | +        | $\dashv$ |          | ╀        | +        | +         | ╁        | ┰            | +                  |
| -          | 97       | ;+             | +        | $\dashv$ |          | ╁        | +        | +         | +        | +            | +                  |
| -          | 98       | +              | +        | -        | _        | t        | +        | ╅         | +        | +            | +                  |
| $\vdash$   | 99       | <del>;</del> + | +        | -        | _        | t        | +        | -†-       | +        | +            | $\top$             |
|            | 10       | ol             | $\dashv$ | $\dashv$ | _        | t        | _        | 1         | $\top$   | $\top$       |                    |
|            |          | -1             |          |          | _        | _        |          |           |          |              |                    |

|               |                   |                | _ |          |   |          |        |    |          |          |   |              |   |          |          |
|---------------|-------------------|----------------|---|----------|---|----------|--------|----|----------|----------|---|--------------|---|----------|----------|
| Cla           | aim               |                | _ | _        | _ |          | _      | Da | ate      | •        | _ |              | _ | _        | ٦        |
|               |                   |                | T | П        |   | Т        |        | T  | Ϊ        |          | Т | $\neg$       | _ | Τ        | ┪        |
| _             | Original          |                | l | ١        |   | ١        |        | ı  | ١        |          |   |              |   |          | - [      |
| Final         | iĝ                |                |   | ١        |   | ١        |        | l  |          |          | 1 | ı            |   | 1        | - [      |
| ш.            | ō                 | ı              | l | - 1      |   | ı        |        | 1  |          |          | 1 |              |   | 1        | ı        |
| _             | 101               |                | ╁ | $\dashv$ | _ | -1       |        | ╁  |          | ⊢        | + | -            | _ | $^{+}$   | ┨        |
|               | 102               | -              | ╁ | -        | _ | 7        |        | ╁  | -        |          | + |              | - | +        | ┨        |
|               | 103               | _              | t | -        | _ | ┪        | _      | t  | -        | H        | + | _            | _ | +        | ヿ        |
|               | 104               |                | t | -        | Н | ┪        | _      | t  | _        | ┢        | + | _            | - | +        | ヿ        |
|               | 105               |                | t |          | ┢ | ٦        | _      | †  |          | ┢        | 7 | _            | 1 | 十        | $\neg$   |
|               | 106               | Н              | t |          | ┢ | ┪        | _      | t  | _        | r        | 7 |              |   | +        | ٦,       |
|               | 107               | 一              | t | _        | r | 7        | _      | t  | _        | Г        | T |              | 1 | T        | ヿ        |
|               | 108               |                | t | -        | T |          |        | T  |          | Γ        | 7 |              | Г | Т        | ٦        |
|               | 109               | ✝              | t |          | Τ |          |        | Ť  | _        | T        | ╛ |              | Γ | T        | $\neg$   |
|               | 110               | Г              | † | _        | Γ |          |        | T  |          | Γ        |   |              |   | T        |          |
|               | 111               | Т              | T |          | Γ |          |        | 1  | _        | Γ        |   |              |   | I        |          |
|               | 112               | T              | Ť |          | Τ |          |        | 1  |          | Γ        |   | _            |   | T        | $\Box$   |
|               | 113               | T              | T |          | Ţ |          |        | Ţ  |          |          |   | _            |   | floor    |          |
|               | 113<br>114        | Π              | Ť |          | Π |          |        | Ţ  | _        | Γ        |   |              | Γ | I        |          |
|               | 115               | Π              | T |          | Γ |          | L      | I  |          | I        |   |              | Ĺ | $\perp$  |          |
|               | 115<br>116        | I              | Ī |          | Ι |          |        | 1  |          | I        |   |              | Ĺ | $\perp$  | ╝        |
|               | 117<br>118        |                | I |          | ſ |          |        |    |          | Ĺ        |   | _            | L | _        | ᆜ        |
|               | 118               |                |   |          | Ι | _        | L      |    |          | L        |   |              | L | _        | _        |
|               | 119               |                | Ι |          | I |          | L      | 1  |          | l        | _ |              | L | 4        | _        |
|               | 120               |                |   |          | Ι |          |        | _  |          | l        |   |              | L | 4        |          |
|               | 121               |                |   |          | 1 |          | L      | _  | _        | ļ        |   | $oxed{oxed}$ | ╄ | 4        | _        |
|               | 122<br>123        |                | 1 |          | 1 |          | L      | 4  | _        | 1        |   |              | Ļ | 4        | _        |
|               | 123               | 1_             | 1 |          | ↓ | _        | L      | 4  |          | 1        | _ | <u>L</u>     | ╀ | 4        |          |
|               | 124<br>125        | _              | 4 |          | 1 |          | L      | 4  | _        | 4        |   | L            | ╀ | -        |          |
|               | 125               | Ļ              | 4 |          | 4 | _        | L      | 4  | _        | 4        | _ | _            | 1 | $\dashv$ | _        |
|               | 126<br>127        | ļ.             | _ |          | 4 |          | Ļ      | 4  | _        | +        | _ | _            | + | 4        | _        |
|               | 127               | 1.             | _ |          | 4 |          | ╄      | 4  |          | +        | _ | ┡            | ╀ | 4        |          |
|               | 128<br>129<br>130 | $\perp$        | 4 |          | 4 |          | ╀      | 4  |          | 4        |   | -            | - | -        |          |
|               | 129               | +              | 4 | _        | 4 | _        | ╀      | 4  | _        | +        | _ | -            | ╀ | -        |          |
|               | 130               |                | 4 |          | 4 |          | ╀      | 4  |          | 4        |   | ⊢            | ╀ | -        |          |
|               | 131               |                |   | _        | 4 | _        | ╀      | _  | _        | 4        |   | ┡            | + | $\dashv$ | -        |
|               | 132               | 1              | _ | _        | 4 | _        | ╀      | _  | _        | 4        |   | ╀            | + | _        | _        |
|               | 133               | -              | _ | _        | 4 | _        | ╀      | -  | L        | +        |   | ╀            | + | -        | _        |
|               | 134               | -              | _ | <u> </u> | 4 | _        | ╀      | _  | $\vdash$ | +        |   | +            | + | _        | _        |
|               | 135               | +              | _ | $\vdash$ | 4 |          | +      |    | $\vdash$ | +        |   | ╀            | ╀ | -        | _        |
|               | 136               | ;- -           | _ | $\vdash$ | 4 |          | +      |    | -        | $\dashv$ | - | $\vdash$     | + | _        | -        |
| _             | 137               | +              | _ | ⊢        | - | _        | ╂      | -  | $\vdash$ | +        |   | +            | + | _        | $\vdash$ |
| -             | 139               | ;+-            |   | ļ-       | 4 | _        | +      | _  | -        | +        | - | +            | + | _        | ┝        |
| -             | 140               | ;+-            | _ | -        | 4 | <u> </u> | +      | _  | -        | ┨        | _ | +            | + | _        | ┢        |
| $\vdash$      | 141               | +              | _ | $\vdash$ | + | $\vdash$ | +      | -  | ۲        | ┥        |   | $^{+}$       | + | _        | Ι-       |
| ├─            | 142               | ;+             | _ | $\vdash$ | - | $\vdash$ | +      | _  | +        | 1        | _ | 十            | + | _        | -        |
| ├─            | 143               | ₹┼             | - | t        | - | -        | $^{+}$ | _  | t        | ٦        |   | 十            | + | _        | $\vdash$ |
| <u> </u>      | 144               | 1              | _ | t        | - | H        | +      | _  | t        |          |   | T            | + |          | Т        |
|               | 145               |                | - | t        | - | H        | +      |    | t        | ┪        | Г | +            | 7 | _        | 1        |
| -             | 140               | <del>5</del> + | - | T        | _ | Η        | +      | _  | ۲        | 7        | Т | T            | 7 |          | Т        |
| $\vdash$      | 14                | 汁              | _ | +        |   | Τ        | +      | _  | t        |          | Г | †            | 1 |          | 1        |
| $\vdash$      | 14                |                |   | t        | _ | t        | +      | _  | t        |          | Т | T            | ┪ |          | T        |
| <b>—</b>      | 149               | įΤ             | _ | t        | - | T        | +      | _  | t        | _        | Г | T            | _ |          | Т        |
| -             | 15                | 51             | _ | +        | _ | t        | +      | _  | t        | _        | Г | T            | 7 | _        | Τ        |
| $\overline{}$ |                   | <u> </u>       |   | _        | _ | ١.       |        | _  | _        | _        | - | -            | _ | _        |          |